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LUCENT TECHNOLOGIES: New IEEE 802.11 compliant WaveLAN family sets standard in reliability

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Abstract (Article Summary)

M2 PRESSWIRE-22 April 1998-LUCENT TECHNOLOGIES: New IEEE 802.11 compliant WaveLAN family sets the standard in reliability, efficiency for wireless LANs (C)1994-98 M2 COMMUNICATIONS LTD

Lucent Technologies today announced a Wireless Local Area Network (WLAN) product family that complies with the ratified IEEE 802.11 standard for wireless LANs. While providing interoperability with other vendors' industry-standard LAN products, the new WaveLAN system establishes new benchmarks for coverage, range, reliability and throughput at the lowest power consumption. It will be introduced at the 1998 Network+InterOP show in Las Vegas, Nev.

The new WaveLAN/IEEE system can transmit data throughout a facility, easily penetrating walls and floors. It is very effective in large open areas like factories, warehouses and retail environments because of its superior echo path management and the best RF echo tolerance (delay spread) in the industry. Its exceptional receiver sensitivity and antenna designs provide the industry's widest coverage range with consistent high throughput. This superior performance and immunity to RF interference makes the new WaveLAN well suited for medical and health care environments where interference-generating equipment such as microwave ovens are commonly found.

Full Text (930 words)

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M2 PRESSWIRE-22 April 1998-LUCENT TECHNOLOGIES: New IEEE 802.11 compliant WaveLAN family sets the standard in reliability, efficiency for wireless LANs (C)1994-98 M2 COMMUNICATIONS LTD

– To be on display at Booth 2023 at Network+InterOp

Lucent Technologies today announced a Wireless Local Area Network (WLAN) product family that complies with the ratified IEEE 802.11 standard for wireless LANs. While providing interoperability with other vendors' industry-standard LAN products, the new WaveLAN system establishes new benchmarks for coverage, range, reliability and throughput at the lowest power consumption. It will be introduced at the 1998 Network+InterOP show in Las Vegas, Nev.

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"The new WaveLAN family of products sets the standard customers will rely on," said Angela Champness, director of WaveLAN product and business development. "Its reliability, coverage and continuous throughput sets it apart from other standard-compliant products, translating to significant savings in system implementation."

Performance tests have shown the new IEEE-compliant WaveLAN system to provide the highest throughput with the lowest power draw (less than 350mA peak current) of any other comparable WLAN product on the market. Low power consumption and high throughput add up to efficiency and longer battery life for portable systems.

The WaveLAN system's multi-channel roaming (MCR) feature automatically adjusts channel settings and tunes to the frequency of the nearest access point. While enabling users to maintain connectivity as they roam throughout a facility with multiple access points, MCR also increases aggregate network capacity with the more efficient use of the available spectrum.

WaveLAN wireless LANs use 2.4GHz Direct Sequence Spread Spectrum (DSSS) radios to provide 2Mbps throughput. While designed to provide Ethernet quality networking performance, the wireless system is not restricted by flexibility limitations and installation costs associated with wired networks. Moreover, the WaveLAN system is designed to co-exist with the proposed IEEE 10 Mb/s DSSS technology for high speed wireless LAN products.

Applications for the WaveLAN system include manufacturing, retail point-of sale, health care, education, warehousing and general office use. WaveLAN wireless LANs can provide an indoor range up to 1200 feet, depending on physical layout. The new optional indoor Range Extender antenna can improve that range by up to 20 percent, thereby reducing the number of access points needed to cover a physical area.

The WaveLAN IEEE compliant one-piece PC Card is available for laptop, portable and hand-held devices, and an ISA card is available for desktop computers. All WaveLAN products are supported by WaveMANAGER software, providing quick and easy installation for the entire system.

The WavePOINT II bridge (access point), with two card slots, allows current WaveLAN users to easily migrate to the new 802.11-compliant technology by simply installing a 802.11-compliant WaveLAN PC Card in one slot while keeping the older WaveLAN card in the other slot. Compatibility between the two protects users' investments in existing WaveLAN systems as they introduce IEEE-compliant products.

"Interoperability, aggressive pricing, flexible packaging, improved performance and range are key to speeding up market acceptance of wireless LANs. Lucent is hitting hard on all five fronts with the introduction of its new IEEE 802.11-compliant WaveLAN system," said Laurie Pasmooij, LAN Research Analyst at IDC. "IT professionals and business managers should feel more comfortable installing a wireless solution like WaveLAN that is compatible with other products and can be adapted as new technologies reach the market."

"I'm impressed that Lucent continues to take a leading role in the evolution of the 802.11 standard", said Craig Mathias of Farpoint Group, a leading analyst in wireless communications. "It's not just interoperability that provides IT managers with the comfort they need to take advantage of wireless LANs. The rest of the package - performance, reliability, and support - are what makes the difference in rapidly-expanding markets."

More on Lucent Technologies-With installations in more than 50 countries, Lucent Technologies is a global market leader in wireless LANs. Through its Bell Laboratories, Lucent to date holds a total of 25 patents on high speed wireless LAN technology. Lucent Technologies also has a leading role in wireless LAN standards development through its chairmanships of the IEEE 802.11 and ETSI BRAN (Broadband Radio Access Network) committees.

The WaveLAN family of products is sold world-wide through OEMs and through a network of value-added resellers (VARs) and distributors. For more WaveLAN product and VAR information visit our web site at <http://www.wavelan.com> or call 1-800-WAVELAN. Manufacturers' reference price for the WaveLAN IEEE-compliant PC Card is \$495, and \$545 for the comparable ISA Card. The products are available for order now, with volume shipments starting in June.

Lucent Technologies, headquartered in Murray Hill, N.J., designs, builds and delivers a wide range of public and private networks, communications systems and software, data networking systems, business telephone systems and microelectronic components. Bell Labs is the research and development arm for the company. For more

information on Lucent Technologies, visit our web site at <http://www.lucent.com>.

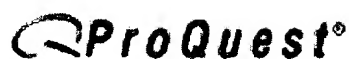
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LUCENT TECHNOLOGIES: Lucent introduces IEEE 802.11 Compliant WaveLAN Solution in Australia & New Zealand

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Abstract (Article Summary)

M2 PRESSWIRE-23 July 1998-LUCENT TECHNOLOGIES: Lucent introduces new IEEE 802.11 Compliant WaveLAN Wireless Solution for customers in Australia and New Zealand (C)1994-98 M2 COMMUNICATIONS LTD

Lucent Technologies today announced a new 802.11 compliant WaveLAN Wireless Solution that provides a flexible connection for mobile and desktop computers within a facility and has the added feature of linking multiple facilities.

The WaveLAN solution's products comply with the ratified IEEE 802.11 standard for wireless LANs. It establishes new benchmarks for coverage, range, reliability and throughput, requiring the lowest power consumption.

Full Text (526 words)

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M2 PRESSWIRE-23 July 1998-LUCENT TECHNOLOGIES: Lucent introduces new IEEE 802.11 Compliant WaveLAN Wireless Solution for customers in Australia and New Zealand (C)1994-98 M2 COMMUNICATIONS LTD

-- Provides extreme mobility and flexibility within a facility and links multiple facilities' networks

Lucent Technologies today announced a new 802.11 compliant WaveLAN Wireless Solution that provides a flexible connection for mobile and desktop computers within a facility and has the added feature of linking multiple facilities.

The WaveLAN solution's products comply with the ratified IEEE 802.11 standard for wireless LANs. It establishes new benchmarks for coverage, range, reliability and throughput, requiring the lowest power consumption.

The new WaveLAN/IEEE system can transmit data throughout a facility, easily penetrating walls and floors because of its superior echo path management and the best RF echo tolerance (delay spread) in the industry.

Applications for the WaveLAN system include manufacturing, retail point-of sale, health care, education, warehousing and general office use. WaveLAN wireless LANs can provide an indoor range of up to 1,200 feet (400 metres), depending on physical layout. The new optional indoor Range Extender antenna can improve that range by up to 20 percent, thus reducing the number of access points needed to cover a physical area.

"The new WaveLAN family of products sets the standard that customers will rely on," said Ric Lavallee, executive director, Lucent Technologies Global Private Systems South Pacific. "We strongly believe that its reliability, coverage and continuous throughput set it apart from competitive products. This means significant savings for our customers in Australia and New Zealand."

Performance tests have shown the new IEEE-compliant WaveLAN system to ensure the highest throughput with the lowest power draw (less than 350mA peak current) of any other comparable WLAN product on the market. Low power consumption and high throughput add up to efficiency and longer battery life for portable systems.

WaveLAN wireless LANs use 2.4GHz Direct Sequence Spread Spectrum (DSSS) radio technology. While designed to provide Ethernet quality networking performance, the wireless system is not restricted by flexibility limitations and installation costs associated with wired networks. Moreover, the WaveLAN system is designed to co-exist with the proposed IEEE 10 Mb/s DSSS technology for high speed wireless LAN products favored by the IEEE.

The WavePOINT II bridge (access point), with two card slots, allows current WaveLAN users to easily migrate to the new 802.11-compliant technology by simply installing a 802.11-compliant WaveLAN PC Card in one slot while keeping the older WaveLAN card in the other slot. Compatibility between the two protects users' investments in existing WaveLAN systems as they introduce IEEE-compliant products.

Lucent Technologies, headquartered in Murray Hill, N.J., designs, builds, and delivers a wide range of public and private networks, communications systems and software data networking systems, business telephone systems, and microelectronics components. Bell Labs is the research and development arm for the company. For more information on Lucent Technologies and WaveLAN, visit our web site at <http://www.lucent.com> or <http://www.wavelan.com>. To obtain more information on Global Private Systems, visit the web site at <http://www.lucent.com/netsys/systimax>.

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